



Name: _____

Mr. Tiénou-Gustafson & Mr. Biemeier

Geometry, Period _____

Due Date: _____

HW71_Zero Product

**Geometry
Homework**

Form A

Find the solutions, roots, and zero's using the zero product property. Make sure you **CHECK** all work.

1. $(x-8)(x+2)=0$ $\begin{array}{r l} x-8 \neq 0 & x+2 \neq 0 \\ \hline x \neq 8 & x \neq -2 \end{array}$ <div style="border: 1px solid black; padding: 5px; display: inline-block;">$x = \{-2, 8\}$</div>	2. $(x+6)(x+1)=0$
3. $(x-2)(x-5)=0$	4. $(3x+1)(x+3)=0$
5. $(x-8)(x-3)=0$	6. $(x+8)(x+7)=0$
7. $(x+7)(x-2)=0$	8. $(7x+8)(x-5)=0$
9. $6x+15=0$ $3(2x+5)=0$	10. $9x^2 + 15x = 0$
11. $20x^2 - 8x = 0$	12. $-4x - 2x^2 = 0$ $-2x(2+x)=0$
13. $12x - 20 = 0$	14. $5x^2 + 5x = 0$
15. $2x+4=0$	16. $3x+3=0$